

SARS-CoV-2 (COVID-19) Nucleocapsid antibody [HL5511]

Cat. No. GTX635689

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-Fr, ELISA, Lateral Flow, Sandwich ELISA, IHC-P (cell pellet)
Reactivity	SARS Coronavirus 2

Reference (5)

Package

100 µl, 25 µl

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
IHC-Fr	Assay dependent
ELISA	Assay dependent
Lateral Flow	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

Note : This antibody has been validated by lateral flow assay based on the customer's feedback.

Capture : GTX635689, Detection : GTX635678 / GTX635688 / GTX635808 / GTX635686-01 or Capture : GTX635688, Detection : GTX635689.
Please notice that the detected antibody needs to be conjugated to HRP to function when paired with capture antibody. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

Product Note

This antibody detects SARS-CoV-2 nucleocapsid protein, but does not cross-react with SARS-CoV or MERS-CoV nucleocapsid proteins based on our internal testing. Gold conjugation version is available upon request. This antibody is able to detect multiple SARS-CoV-2 VOCs, including Omicron variant.

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)

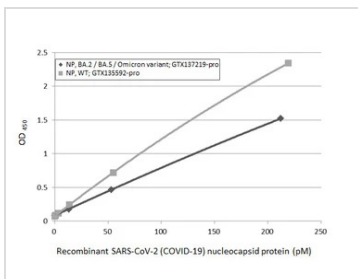


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Immunogen	Full length SARS-CoV-2 (COVID-19) nucleocapsid Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1))
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

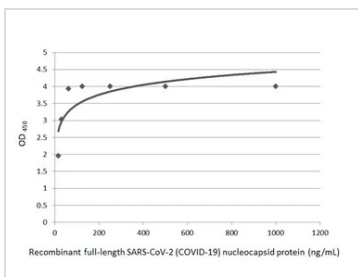


GTx635689 ELISA Image

Sandwich ELISA detection of recombinant nucleocapsid protein(s) derived from different strains of SARS-CoV-2 virus (ie, Wild type; BA.2 / BA.5 Omicron variant) using antibodies as below.

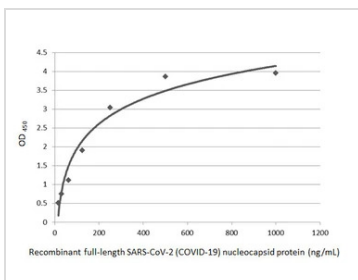
Capture: SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5511] (GTx635689) (5 µg/mL)

Detection: SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (HRP) (GTx635686-01) (1 µg/mL)



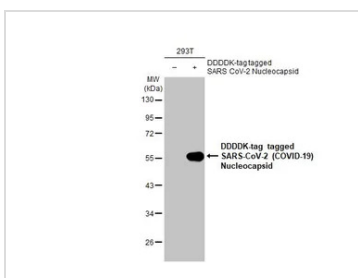
GTx635689 ELISA Image

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTx135592-pro) using SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5511] (GTx635689) as capture antibody at concentration of 5 µg/mL and HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455] (GTx635688) as detection antibody at concentration of 1 µg/mL.



GTx635689 ELISA Image

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTx135592-pro) using SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL5511] (GTx635689) as capture antibody at concentration of 5 µg/mL and HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL249] (GTx635678) as detection antibody at concentration of 1 µg/mL.



GTx635689 WB Image

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) Nucleocapsid antibody [HL5511] (GTx635689) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTx213110-01) was used to detect the primary antibody.



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